

ABSTRACT OF THE DISCLOSURE

5 A method for the production of nitrogen trifluoride from a fluorine reactant and an
ammonium ion source that is dispersed within a liquid phase reaction mixture containing
one or more perfluorocarbon fluids is disclosed herein. In one embodiment, the fluorine
reactant is introduced to the reaction mixture at a temperature that ranges from 90°C to
120°C. In this embodiment, the percentage yield of nitrogen trifluoride may be about
10 80% or greater.

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